

Cytometer Performance Report

Cytometer: FACSCantoII
 Cytometer Name: FACSCantoII
 Serial Number: V33896201821
 Input Device: Carousel
 Tube Loaded Manually: Yes
 Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
 Institution: N/A
 Software: BD FACSDiva 6.1.3
 Date: 01/17/2018 09:50 AM
 Cytometer Baseline: 10/18/2017 09:13 AM
 P/F: Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
 Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
 Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	126265	1	1.53	126136	1.53
Blue	F	SSC	125000	124482	-1	2.68	124848	2.41
Blue	E	FITC	23615	23065	-3	2.55	1023	10.79
Blue	D	PE	26739	26303	-2	2.15	946	9.97
Blue	B	PerCP-Cy5-5	48339	47718	-2	3.56	1371	17.71
Blue	A	PE-Cy7	45021	45650	1	5.24	704	37.64
Red	C	APC	53064	52462	-2	2.72	3030	9.55
Red	A	APC-Cy7	57175	56755	-1	2.66	1173	11.44
Violet	B	V450	14728	14124	-5	4.94	675	9.19
Violet	A	V500	58621	57016	-3	4.89	2517	6.89

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20169	2.67	612	-2	N/A	N/A	Pass
Blue	F	SSC	61519	1.57	553	7	N/A	N/A	Pass
Blue	E	FITC	117	37.49	549	1	0.0182	27	Pass
Blue	D	PE	208	29.84	539	3	0.1599	272	Pass
Blue	B	PerCP-Cy5-5	215	46.62	640	5	0.0091	79	Pass
Blue	A	PE-Cy7	73	131.79	700	7	0.0106	18	Pass
Red	C	APC	346	28.14	599	2	0.0197	55	Pass
Red	A	APC-Cy7	129	41.78	583	3	0.0053	1736	Pass
Violet	B	V450	81	43.10	463	-7	0.0556	2520	Pass
Violet	A	V500	184	22.16	490	-7	0.0168	597	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
 Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
 Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
 Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.32	-30.97	0.95
Blue	20.34	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.35
Red	16.98	14.40 - 21.60	N/A	N/A	31.00	31.26	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 12065

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.70

Comments